

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
|       |      | manchester with \$code  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | OR               | ON      | 2003/04/03 14:12 |
| L1    | 298  | 375/282,316,361.ccls. and threshold   | USPAT; EPO; JPO; IBM_TDB                           | OR               | OFF     | 2004/12/12 09:45 |
| L2    | 99   | 375/282,316,361.ccls. and threshold and counter   | USPAT; EPO; JPO; IBM_TDB                           | OR               | OFF     | 2004/12/12 09:46 |
| S1    | 3    | ("6452980").PN.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2004/06/24 14:46 |
| S2    | 0    | ("6546047").PN  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2003/04/03 13:19 |
| S3    | 1261 | manchester with code  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | OR               | ON      | 2003/04/03 13:20 |
| S4    | 474  | (manchester with code) and counter  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | OR               | ON      | 2003/04/03 14:55 |
| S5    | 8    | (("4,796,280") or ("4,373,154") or ("6,175,603B1") or ("5,652,773") or ("5850422")).PN.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2003/04/03 14:18 |
| S6    | 20   | ((("6064705") or ("5058044") or ("5056114") or ("5030807") or ("4853943") or ("4631695") or ("4606050") or ("4251801") or ("4631695") or ("5151977") or ("5247464"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2003/04/03 14:19 |

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|-----|-----|---|---|----|----|------------------|
| S7  | 120 | ((manchester with code) and counter) and threshold  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2003/04/03 14:55 |
| S8  | 17  | ((manchester with code) and counter) and (threshold with counter)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2003/04/03 14:58 |
| S9  | 9   | ("4730188"   "4906853"   "5211129"   "5245346"   "5293399"   "5491482"   "5502445"   "5883592"   "6081222").PN. | USPAT   | OR | ON | 2003/04/03 15:12 |
| S10 | 0   | "6452980".URPN.   | USPAT   | OR | ON | 2003/04/03 15:18 |
| S11 | 0   | "6452980".URPN.   | USPAT   | OR | ON | 2003/04/03 15:18 |
| S12 | 6   | "5056114".URPN.   | USPAT   | OR | ON | 2003/04/03 16:06 |
| S13 | 5   | ("4531223"   "4608702"   "4688232"   "4745626"   "4752942").PN.   | USPAT   | OR | ON | 2003/04/03 16:10 |
| S14 | 3   | ("3656064"   "4302845"   "4346452").PN.   | USPAT   | OR | ON | 2003/04/03 16:12 |
| S15 | 13  | "4606050".URPN.   | USPAT   | OR | ON | 2003/04/03 16:14 |
| S16 | 13  | "4606050".URPN.   | USPAT   | OR | ON | 2003/04/03 16:18 |
| S17 | 2   | ("4167760"   "4260952").PN.   | USPAT   | OR | ON | 2003/04/03 16:18 |
| S18 | 10  | "4317211".URPN.   | USPAT   | OR | ON | 2003/04/03 16:19 |
| S19 | 5   | ("5022056"   "5276716"   "5491729"   "5550860"   "5574756").PN.   | USPAT   | OR | ON | 2003/04/03 16:23 |
| S20 | 4   | "5850422".URPN.   | USPAT   | OR | ON | 2003/04/03 16:24 |
| S21 | 5   | ("4472818"   "4796280"   "4808884"   "4975930"   "5553100").PN.   | USPAT   | OR | ON | 2003/04/03 16:25 |
| S22 | 1   | "5652773".URPN.   | USPAT   | OR | ON | 2003/04/03 16:27 |
| S23 | 4   | ("3092736"   "3387220"   "3392337"   "3571712").PN.   | USPAT   | OR | ON | 2003/04/03 16:27 |
| S24 | 27  | "3656064".URPN.   | USPAT   | OR | ON | 2003/04/03 16:28 |

|                |                             |   |       |    |    |                  |
|----------------|-----------------------------|---|-------|----|----|------------------|
| S25            | 146                         | ( "3008124"   "3026482"  <br>"3108261"   "3244986"  <br>"3493868"   "3514706"  <br>"3594738"   "3659286"  <br>"3804982"   "3836956"  <br>"3859634"   "3866175"  <br>"3885089"   "3886302"  <br>"3896262"   "3919652"  <br>"3924068"   "3962647"  <br>"3967061"   "3967062"  <br>"3979692"   "3979746"  <br>"3980825"   "4027335"  <br>"4029900"   "4080572"  <br>"4088832"   "4136400"  <br>"4156798"   "4160131"  <br>"4167760"   "4185273"  <br>"4222116"   "4234897"  <br>"4241398"   "4242755"  <br>"4254501"   "4257125"  <br>"4257126"   "4266198"  <br>"4276656"   "4281292"  <br>"4287596"   "4292626"  <br>"4302845"   "4313206"  <br>"4317211"   "4332027"  <br>"4337465"   "4344038"  <br>"4346452"   "4355378"  <br>"4355423"   "4361895"  <br>"4363002"   "4389721"  <br>"4410889"   "4423414"  <br>"4426714"   "4428061"  <br>"4430651"   "4441162"  <br>"4449119"   "4449202"  <br>"4450572"   "4453229"  <br>"4468791"   "4475212"  <br>"4493021"   "4494241"  <br>"4495574"   "4507794"  <br>"4510494"   "4513329"  <br>"4513427"   "4525848"  <br>"4531223"   "4535297"  <br>"4542420"   "4545055"  <br>"4549290"   "4556869"  <br>"4556884"   "4562582"  <br>"4565976"   "4567604"  <br>"4573169"   "4575712"  <br>"4578799"   "4581725"  <br>"4592033"   "4592072"  <br>"4603322"   "4605921"  <br>"4606050"   "4606052"  <br>"4606053"   "4608702"  <br>"4623997"   "4625307"  <br>"4631586"   "4631733"  <br>"4635254"   "4641300"  <br>"4651316"   "4652944"  <br>"4661950"   "4661965"  <br>"4663706"   "4663743"  <br>"4663748"   "4663767"  <br>"4665519"   "4667218" | USPAT | OR | ON | 2003/04/03 16:33 |
| Search History | 12/12/04 9:47:31 AM         | Page 3  |       |    |    |                  |
| C:\APPSS\      | EAST\Workspaces\0929516.wsp | 46672605   "4674086"  <br>"4675884"   "4670102"   |       |    |    |                  |

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|-----|------|--|----------------|----|-----|------------------|
| S26 | 11   | "5023891".URPN.  | USPAT          | OR | ON  | 2003/04/03 16:37 |
| S27 | 27   | "3656064".URPN.  | USPAT          | OR | ON  | 2003/04/03 17:34 |
| S28 | 14   | (US-6452980-\$ or US-5056114-\$ or US-4606050-\$ or US-4317211-\$ or US-5850422-\$ or US-5652773-\$ or US-3656064-\$ or US-5023891-\$ or US-3571712-\$ or US-3879665-\$ or US-5566212-\$ or US-RE29257-\$ or US-4007331-\$). did. or (US-5056114-\$).did.                                    | USPAT; DERWENT | OR | OFF | 2003/04/03 17:56 |
| S29 | 3    | ((US-6452980-\$ or US-5056114-\$ or US-4606050-\$ or US-4317211-\$ or US-5850422-\$ or US-5652773-\$ or US-3656064-\$ or US-5023891-\$ or US-3571712-\$ or US-3879665-\$ or US-5566212-\$ or US-RE29257-\$ or US-4007331-\$). did. or (US-5056114-\$).did.) and (clock with synchronization) | USPAT; DERWENT | OR | OFF | 2003/04/03 18:05 |
| S30 | 9259 | clock ADJ5 synchronization   | USPAT; DERWENT | OR | OFF | 2003/04/03 18:05 |
| S31 | 4686 | (clock ADJ5 synchronization) and counter   | USPAT; DERWENT | OR | OFF | 2003/04/03 18:07 |
| S32 | 3756 | ((clock ADJ5 synchronization) and counter) and (threshold or predetermined)  | USPAT; DERWENT | OR | OFF | 2003/04/03 18:07 |
| S33 | 1244 | ((clock ADJ5 synchronization) and counter) and ((threshold or predetermined) with counter)   | USPAT; DERWENT | OR | OFF | 2003/04/03 18:07 |
| S34 | 366  | (((clock ADJ5 synchronization) and counter) and ((threshold or predetermined) with counter)) and encoded   | USPAT; DERWENT | OR | OFF | 2003/04/03 18:07 |
| S35 | 191  | (((clock ADJ5 synchronization) and counter) and ((threshold or predetermined) with counter)) and encoded) and decode   | USPAT; DERWENT | OR | OFF | 2003/04/03 18:10 |
| S36 | 97   | (((clock ADJ5 synchronization) and counter) and ((threshold or predetermined) with counter)) and encoded) and decode) and (counter with (increment or up or increase))   | USPAT; DERWENT | OR | OFF | 2003/04/03 18:10 |
| S37 | 5    | ((((clock ADJ5 synchronization) and counter) and ((threshold or predetermined) with counter)) and encoded) and decode) and (counter with (increment or up or increase))) and manchester  | USPAT; DERWENT | OR | OFF | 2003/04/03 20:19 |

|     |      |   |  |    |     |                  |
|-----|------|---|--|----|-----|------------------|
| S38 | 4    | sarnoff and zalud and manchester  | USPAT; DERWENT                                     | OR | OFF | 2003/04/03 20:20 |
| S39 | 4    | sarnoff and zalud and manchester  | USPAT; DERWENT                                     | OR | OFF | 2003/04/03 20:21 |
| S40 | 4    | sarnoff and zalud and manchester  | USPAT; DERWENT                                     | OR | OFF | 2003/04/03 20:21 |
| S41 | 2    | ("5594763").PN;   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/04/03 21:16 |
| S42 | 1317 | manchester and decoder  | USPAT; EPO; JPO; IBM_TDB                           | OR | OFF | 2003/09/15 16:41 |
| S43 | 118  | (manchester and decoder) and integrat\$5 and discriminat\$5   | USPAT; EPO; JPO; IBM_TDB                           | OR | OFF | 2003/09/15 16:41 |
| S44 | 80   | ((manchester and decoder) and integrat\$5 and discriminat\$5) and counter   | USPAT; EPO; JPO; IBM_TDB                           | OR | OFF | 2003/09/15 16:41 |
| S45 | 2    | (((manchester and decoder) and integrat\$5 and discriminat\$5) and counter) and (threshold with (maximum with minimum)) | USPAT; EPO; JPO; IBM_TDB                           | OR | OFF | 2003/09/15 16:48 |
| S46 | 9    | ("4251801"   "4606050"   "4631695"   "4853943"   "5030807"   "5056114"   "5058044"   "5151977"   "5247464").PN.         | USPAT  | OR | OFF | 2003/09/15 16:42 |
| S47 | 0    | "6064705".URPN  | USPAT  | OR | OFF | 2003/09/15 16:47 |
| S48 | 4    | ("5030807"   "5058044"   "5650930"   "5686902").PN.   | USPAT  | OR | OFF | 2003/09/15 16:47 |
| S49 | 5    | "5974368".URPN  | USPAT  | OR | OFF | 2003/09/15 16:47 |
| S50 | 59   | (((manchester and decoder) and integrat\$5 and discriminat\$5) and counter) and threshold                               | USPAT; EPO; JPO; IBM_TDB                           | OR | OFF | 2003/09/15 16:53 |
| S51 | 9    | ("4730188"   "4906853"   "5211129"   "5245346"   "5293399"   "5491482"   "5502445"   "5883592"   "6081222").PN.         | USPAT  | OR | OFF | 2003/09/15 16:51 |
| S52 | 780  | (manchester and decoder) and counter  | USPAT; EPO; JPO; IBM_TDB                           | OR | OFF | 2003/09/15 16:53 |
| S53 | 253  | ((manchester and decoder) and counter) and threshold  | USPAT; EPO; JPO; IBM_TDB                           | OR | OFF | 2003/09/15 16:54 |

|     |        |  |                                 |    |     |                  |
|-----|--------|--|---------------------------------|----|-----|------------------|
| S54 | 250    | ((manchester and decoder) and counter) and threshold) and data   | USPAT; EPO; JPO; IBM_TDB        | OR | OFF | 2003/09/15 16:54 |
| S55 | 92     | ((((manchester and decoder) and counter) and threshold) and data) and (threshold with data)                      | USPAT; EPO; JPO; IBM_TDB        | OR | OFF | 2003/09/15 16:56 |
| S56 | 9      | (((((manchester and decoder) and counter) and threshold) and data) and (threshold with data)) and manchester.ab. | USPAT; EPO; JPO; IBM_TDB        | OR | OFF | 2003/09/15 16:56 |
| S57 | 1      | ("4546486").PN.  | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 10:22 |
| S58 | 1130   | 375/282,316,361.ccls.  | USPAT; EPO; JPO; IBM_TDB        | OR | OFF | 2003/09/16 10:22 |
| S59 | 113    | 341/70.ccls.   | USPAT; EPO; JPO; IBM_TDB        | OR | OFF | 2003/09/16 10:22 |
| S60 | 67     | 342/40.ccls.   | USPAT; EPO; JPO; IBM_TDB        | OR | OFF | 2003/09/16 10:22 |
| S61 | 247    | 375/282,316,361.ccls. and threshold  | USPAT; EPO; JPO; IBM_TDB        | OR | OFF | 2004/12/12 09:45 |
| S62 | 82     | 375/282,316,361.ccls. and threshold and counter  | USPAT; EPO; JPO; IBM_TDB        | OR | OFF | 2004/12/12 09:46 |
| S63 | 4      | 342/40.ccls. and (threshold same counter)  | USPAT; EPO; JPO; IBM_TDB        | OR | OFF | 2003/09/16 10:23 |
| S64 | 2      | 341/70.ccls. and (threshold same counter)  | USPAT; EPO; JPO; IBM_TDB        | OR | OFF | 2003/09/16 10:27 |
| S65 | 43     | 375/282,316,361.ccls. and (threshold same counter)   | USPAT; EPO; JPO; IBM_TDB        | OR | OFF | 2003/09/16 10:58 |
| S66 | 486304 | counter  | USPAT; EPO; JPO; IBM_TDB        | OR | OFF | 2003/09/16 10:58 |
| S67 | 16408  | counter same threshold   | USPAT; EPO; JPO; IBM_TDB        | OR | OFF | 2003/09/16 10:58 |
| S68 | 594    | (counter same threshold) same compare  | USPAT; EPO; JPO; IBM_TDB        | OR | OFF | 2003/09/16 10:59 |

|     |       |  |                          |    |     |                  |
|-----|-------|--|--------------------------|----|-----|------------------|
| S69 | 74    | ((counter same threshold) same compare) and decode   | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 10:59 |
| S70 | 170   | ((counter same threshold) same compare) and decode\$   | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 10:59 |
| S71 | 170   | ((counter same threshold) same compare) and decode\$2  | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 11:00 |
| S72 | 23    | (((counter same threshold) same compare) and decode\$2) and (clock near sync\$9)   | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 11:12 |
| S73 | 645   | manchester with decode\$2  | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 11:12 |
| S74 | 376   | (manchester with decode\$2) and counter  | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 11:12 |
| S75 | 29    | (manchester with decode\$2) and (counter with threshold)   | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 11:21 |
| S76 | 16408 | counter same threshold   | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 17:34 |
| S77 | 4296  | (counter same threshold) same data   | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 11:22 |
| S78 | 2110  | (counter same threshold) same data same output   | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 11:22 |
| S79 | 2398  | ((counter same threshold) same data) and (data same first same second)   | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 11:23 |
| S80 | 292   | ((counter same threshold) same data) and (data same first same second same third same fourth)                                | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 11:23 |
| S81 | 166   | (((counter same threshold) same data) and (data same first same second same third same fourth)) and decode\$2                | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 11:24 |
| S82 | 159   | (((counter same threshold) same data) and (data same first same second same third same fourth)) and decode\$2) and receiv\$4 | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 11:24 |

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|-----|-------|--|--------------------------------|----|-----|------------------|
| S83 | 1     | (((((counter same threshold) same data) and (data same first same second same third same fourth)) and decode\$2) and receiv\$4) and ((increase and decrease) same counter)   | USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | OFF | 2003/09/16 11:26 |
| S84 | 58    | (((((counter same threshold) same data) and (data same first same second same third same fourth)) and decode\$2) and receiv\$4) and (((increase and decrease) or (up and down)) same counter)  | USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | OFF | 2003/09/16 11:26 |
| S85 | 16    | (US-5056114-\$ or US-4606050-\$ or US-6452980-\$ or US-6008746-\$ or US-5208839-\$ or US-4317211-\$ or US-5850422-\$ or US-5652773-\$ or US-3656064-\$ or US-5023891-\$ or US-3571712-\$ or US-RE29257-\$ or US-4007331-\$ or US-3879665-\$ or US-5566212-\$).did. or (US-5056114-\$).did.                               | USPAT;<br>DERWENT              | OR | OFF | 2003/09/16 16:01 |
| S86 | 7     | ((US-5056114-\$ or US-4606050-\$ or US-6452980-\$ or US-6008746-\$ or US-5208839-\$ or US-4317211-\$ or US-5850422-\$ or US-5652773-\$ or US-3656064-\$ or US-5023891-\$ or US-3571712-\$ or US-RE29257-\$ or US-4007331-\$ or US-3879665-\$ or US-5566212-\$).did. or (US-5056114-\$).did.) and (counter with reset\$6) | USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | OFF | 2003/09/16 16:04 |
| S87 | 13463 | (clock with sync\$9) and (counter with reset\$3)   | USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | OFF | 2003/09/16 16:08 |
| S88 | 2085  | ((clock with sync\$9) and (counter with reset\$3)) and discriminat\$3  | USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | OFF | 2003/09/16 16:24 |
| S89 | 1855  | ((clock with sync\$9) and (counter with reset\$3)) and discriminat\$3) and (threshold or predetermined)  | USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | OFF | 2003/09/16 16:24 |
| S90 | 1131  | ((((clock with sync\$9) and (counter with reset\$3)) and discriminat\$3) and (threshold or predetermined)) and decode\$2   | USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | OFF | 2003/09/16 16:24 |
| S91 | 600   | (((((clock with sync\$9) and (counter with reset\$3)) and discriminat\$3) and (threshold or predetermined)) and decode\$2) and (counter with (increase or up))   | USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | OFF | 2003/09/16 16:09 |

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| S92  | 3726 | ((clock with sync\$9) same (counter with reset\$3))   | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 16:08 |
| S93  | 633  | ((clock with sync\$9) same (counter with reset\$3)) and discriminat\$3  | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 16:08 |
| S94  | 540  | ((clock with sync\$9) same (counter with reset\$3)) and discriminat\$3) and (threshold or predetermined)  | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 16:08 |
| S95  | 320  | ((clock with sync\$9) same (counter with reset\$3)) and discriminat\$3) and (threshold or predetermined)) and decode\$2   | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 16:08 |
| S96  | 172  | ((clock with sync\$9) same (counter with reset\$3)) and discriminat\$3) and (threshold or predetermined)) and decode\$2) and (counter with (increase or up))                  | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 16:10 |
| S97  | 24   | ((clock with sync\$9) same (counter with reset\$3)) and discriminat\$3) and (threshold or predetermined)) and decode\$2) and (counter with (increase or up))) and counter.ab. | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 16:24 |
| S98  | 3457 | (counter with reset) same (clock with sync\$9)  | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 17:34 |
| S99  | 222  | ((counter with reset) same (clock with sync\$9) ) and decode\$2.ab.   | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 16:14 |
| S100 | 94   | ((counter with reset) same (clock with sync\$9) ) and decode\$2.ab.) and ( (threshold or predetermined) same counter)   | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 16:15 |
| S101 | 16   | ((counter with reset) same (clock with sync\$9) ) and decode\$2.ab.) and ( (threshold or predetermined) same counter)) and 375/130-370.ccls.                                  | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 16:23 |
| S102 | 1677 | (counter with reset with (increase or up)) and (clock with sync\$9)   | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 16:23 |
| S103 | 962  | ((counter with reset with (increase or up)) and (clock with sync\$9)) and decode\$2   | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/09/16 16:24 |

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|----------|-------|--|--|----|-----|------------------|
| S10<br>4 | 844   | ((counter with reset with (increase or up)) and (clock with sync\$9)) and decode\$2) and (threshold or predetermined)  | USPAT;<br>EPO; JPO;<br>IBM_TDB           | OR | OFF | 2003/09/16 16:24 |
| S10<br>5 | 175   | (((counter with reset with (increase or up)) and (clock with sync\$9)) and decode\$2) and (threshold or predetermined)) and discriminat\$3                   | USPAT;<br>EPO; JPO;<br>IBM_TDB           | OR | OFF | 2003/09/16 16:24 |
| S10<br>6 | 18    | ((((counter with reset with (increase or up)) and (clock with sync\$9)) and decode\$2) and (threshold or predetermined)) and discriminat\$3) and counter.ab. | USPAT;<br>EPO; JPO;<br>IBM_TDB           | OR | OFF | 2003/09/16 17:33 |
| S10<br>7 | 39479 | 375/130-370.ccls.  | USPAT;<br>EPO; JPO;<br>IBM_TDB           | OR | OFF | 2003/09/16 17:34 |
| S10<br>8 | 348   | 375/130-370.ccls. and (counter with reset) same (clock with sync\$9)   | USPAT;<br>EPO; JPO;<br>IBM_TDB           | OR | OFF | 2003/09/16 17:34 |
| S10<br>9 | 40    | (counter same threshold) and (375/130-370.ccls. and (counter with reset) same (clock with sync\$9) )   | USPAT;<br>EPO; JPO;<br>IBM_TDB           | OR | OFF | 2003/09/16 17:44 |
| S11<br>0 | 39    | ((counter same threshold) and (375/130-370.ccls. and (counter with reset) same (clock with sync\$9) )) and (counter with (data or input or signal))          | USPAT;<br>EPO; JPO;<br>IBM_TDB           | OR | OFF | 2003/09/16 17:44 |
| S11<br>1 | 4226  | pulse near repetition near frequency   | USPAT;<br>EPO; JPO;<br>IBM_TDB           | OR | OFF | 2003/09/17 11:06 |
| S11<br>2 | 128   | (pulse near repetition near frequency) and (wide near band) and transmitter  | USPAT;<br>EPO; JPO;<br>IBM_TDB           | OR | OFF | 2003/09/17 11:07 |
| S11<br>3 | 91    | ((pulse near repetition near frequency) and (wide near band) and transmitter) and modulat\$4   | USPAT;<br>EPO; JPO;<br>IBM_TDB           | OR | OFF | 2003/09/17 15:09 |
| S11<br>4 | 1     | ("5677927").PN.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | OFF | 2003/09/17 11:15 |
| S11<br>5 | 14    | (((pulse near repetition near frequency) and (wide near band) and transmitter) and modulat\$4) and (pulse near amplitude)                                    | USPAT;<br>EPO; JPO;<br>IBM_TDB           | OR | OFF | 2003/09/17 11:15 |
| S11<br>6 | 5310  | 375/240-241.ccls.  | USPAT;<br>EPO; JPO;<br>IBM_TDB           | OR | OFF | 2004/03/02 16:43 |

|          |       |  |  |    |     |                  |
|----------|-------|--|--|----|-----|------------------|
| S11<br>7 | 1215  | 375/368,365,363.ccls.  | USPAT;<br>EPO; JPO;<br>IBM_TDB                       | OR | OFF | 2004/03/02 16:43 |
| S11<br>8 | 0     | (375/240-241.ccls. and 375/368,<br>365,363.ccls.) and manchester   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/03/02 16:44 |
| S11<br>9 | 12    | 375/240-241.ccls. and 375/368,<br>365,363.ccls.  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/03/02 16:46 |
| S12<br>0 | 2     | ("6064705").PN.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/02 16:48 |
| S12<br>1 | 9     | ("4251801"   "4606050"  <br>"4631695"   "4853943"  <br>"5030807"   "5056114"  <br>"5058044"   "5151977"  <br>"5247464").PN.                          | USPAT  | OR | OFF | 2004/03/02 16:48 |
| S12<br>2 | 4     | (("4251801"   "4606050"  <br>"4631695"   "4853943"  <br>"5030807"   "5056114"  <br>"5058044"   "5151977"  <br>"5247464").PN.) and decoder            | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/03/02 16:50 |
| S12<br>3 | 13061 | sequence same (start or begin\$5)<br>same (frame or slot)  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/03/02 16:50 |
| S12<br>4 | 2870  | (sequence same (start or begin\$5)<br>same (frame or slot) ) and<br>decoder  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/03/02 16:50 |
| S12<br>5 | 2091  | ((sequence same (start or<br>begin\$5) same (frame or slot) )<br>and decoder) and count\$4   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/03/02 16:51 |
| S12<br>6 | 6513  | 375/240-241.ccls. or 375/368,365,<br>363.ccls.   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/03/02 16:51 |
| S12<br>7 | 183   | (((sequence same (start or<br>begin\$5) same (frame or slot) )<br>and decoder) and count\$4) and<br>(375/240-241.ccls. or 375/368,<br>365,363.ccls.) | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/03/02 16:51 |

|          |     |  |                                   |    |     |                  |
|----------|-----|--|-----------------------------------|----|-----|------------------|
| S12<br>8 | 3   | ((((sequence same (start or begin\$5) same (frame or slot ) and decoder) and count\$4) and (375/240-241.ccls. or 375/368, 365,363.ccls.)) and manchester | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/02 18:49 |
| S12<br>9 | 595 | 375/368.ccls.  | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/02 18:49 |
| S13<br>0 | 336 | 375/368.ccls. and counter  | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/02 18:50 |
| S13<br>1 | 112 | (375/368.ccls. and counter) and threshold  | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/02 18:50 |
| S13<br>2 | 144 | (375/368.ccls. and counter) and (counter same first same second)   | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/02 18:50 |
| S13<br>3 | 45  | ((375/368.ccls. and counter) and threshold) and ((375/368.ccls. and counter) and (counter same first same second))                                       | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/03 10:56 |
| S13<br>4 | 106 | filter with (shift near register) with multiplier with (summer or adder)   | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/03 10:58 |
| S13<br>5 | 0   | (filter with (shift near register) with multiplier with (summer or adder)) and kaiser  | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/03 10:58 |
| S13<br>6 | 2   | (filter with (shift near register) with multiplier with (summer or adder)) and bessel  | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/03 11:09 |
| S13<br>7 | 804 | gaussian near filter   | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/03 11:09 |
| S13<br>8 | 0   | (gaussian near filter) with (kaiser near bessel near filter)   | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/03 11:09 |
| S13<br>9 | 1   | kaiser near bessel near filter   | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/03 11:10 |

|       |       |  |                                   |    |     |                  |
|-------|-------|--|-----------------------------------|----|-----|------------------|
| S14 0 | 105   | kaiser near bessel   | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/03 11:10 |
| S14 1 | 0     | (gaussian near filter) with (kaiser near bessel)   | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/03 11:10 |
| S14 2 | 0     | (gaussian near filter) same (kaiser near bessel)   | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/03 11:11 |
| S14 3 | 4     | (gaussian near filter) and (kaiser near bessel)  | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/03 15:30 |
| S14 4 | 31400 | clock and (increment or increase) and threshold  | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/03 15:31 |
| S14 5 | 10174 | (clock same sync\$9) and ((increment or increase) and threshold)   | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/03 15:31 |
| S14 6 | 2114  | (clock same sync\$9) and ((increment or increase) with count\$4) and threshold   | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/03 15:31 |
| S14 7 | 303   | ((clock same sync\$9) and ((increment or increase) with count\$4) and threshold) and 375/130-377.ccls.   | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/03 15:32 |
| S14 8 | 297   | (((clock same sync\$9) and ((increment or increase) with count\$4) and threshold) and 375/130-377.ccls.) and (reset\$4 or set\$4)                                | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/03 15:32 |
| S14 9 | 133   | (((clock same sync\$9) and ((increment or increase) with count\$4) and threshold) and 375/130-377.ccls.) and ((reset\$4 or set\$4) with threshold)               | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/03 15:33 |
| S15 0 | 51    | (((clock same sync\$9) and ((increment or increase) with count\$4) and threshold) and 375/130-377.ccls.) and ((reset\$4 or set\$4) with threshold with count\$4) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/03 15:51 |

|       |     |   |  |    |     |                  |
|-------|-----|---|--|----|-----|------------------|
| S15 1 | 565 | (counter with (increment\$4 or increase\$4 or up)) and (counter with (reset\$4 or set\$4) with threshold) and clock and sync\$9   | USPAT; EPO; JPO; DERWENT; IBM_TDB        | OR | OFF | 2004/03/03 15:52 |
| S15 2 | 32  | ((counter with (increment\$4 or increase\$4 or up)) and (counter with (reset\$4 or set\$4) with threshold) and clock and sync\$9) and (clock with sync\$9 with threshold) | USPAT; EPO; JPO; DERWENT; IBM_TDB        | OR | OFF | 2004/03/04 11:19 |
| S15 3 | 2   | ("5945932").PN.   | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/04 11:19 |
| S15 4 | 846 | counter same (max\$5 and min\$5) same threshold   | USPAT; EPO; JPO; DERWENT; IBM_TDB        | OR | OFF | 2004/06/24 14:47 |
| S15 5 | 571 | data and signal and (counter same (max\$5 and min\$5) same threshold)   | USPAT; EPO; JPO; DERWENT; IBM_TDB        | OR | OFF | 2004/06/24 14:48 |
| S15 6 | 207 | (data and signal and (counter same (max\$5 and min\$5) same threshold)) and (up same down)  | USPAT; EPO; JPO; DERWENT; IBM_TDB        | OR | OFF | 2004/06/24 14:48 |
| S15 7 | 153 | (data and signal and (counter same (max\$5 and min\$5) same threshold)) and (up same down same counter)   | USPAT; EPO; JPO; DERWENT; IBM_TDB        | OR | OFF | 2004/06/24 14:50 |
| S15 8 | 42  | ((data and signal and (counter same (max\$5 and min\$5) same threshold)) and (up same down same counter)) and count\$4.drwd.  | USPAT; EPO; JPO; DERWENT; IBM_TDB        | OR | OFF | 2004/06/24 14:50 |